



Genomics and Epigenomics of HIV/AIDS and Substance Abuse

**6001 Executive Boulevard, Rockville, Maryland
NIDA Conference Room (3rd Floor), Room 3103**

September 27, 2010

Agenda

- 8:00 – 8:30 a.m. Registration and Continental Breakfast**
- 8:30 – 8:40 a.m. Welcome**
Nora Volkow, M.D.
Director
National Institute on Drug Abuse
Rockville, MD
- 8:40 – 9:00 a.m. Overview of Priorities for Discussion, Charge to Participants, and Introductions**
Diane Lawrence, Ph.D.
Associate Director, AIDS Research Program
National Institute on Drug Abuse
Rockville, MD

Joni Rutter, Ph.D.
Acting Director, Division of Basic Neuroscience and Behavioral Research
National Institute on Drug Abuse
Rockville, MD
- 9:00 – 10:30 a.m. Facilitated Discussion I: Genomics/epigenomics research priorities in HIV/AIDS and substance abuse**
- Presentation of submitted participant responses
 - Discussion of research priorities
 1. Innate resistance to infection, pathogenesis
 2. Response to treatment or preventative strategies
 3. Persistence of viral reservoirs, regulation of HIV latency/reactivation
 4. Genetic basis of HIV transmission and evolution in substance users (injection, non-injection, and polydrug use, including cigarette smoking)
 5. Impact of substance use on toxicities/risks associated with long-term ART
 6. Genetic associations with addiction vulnerability (infected vs. uninfected)

- 10:30 – 12:00 p.m.** **Facilitated Discussion II:** What populations, data sets, and samples are available that can be used or built upon to address these approaches and priorities, and what genetics and genomics approaches will be most useful?
- 12:00 – 1:00 p.m.** **Lunch** (*on your own*)
- 1:00 – 2:00 p.m.** **Facilitated Discussion II (continued)**
- 2:00 – 3:15 p.m.** **Facilitated Discussion III:** What are the challenges in genomics research related to HIV/AIDS and substance abuse, and how can we overcome them?
- 3:15 – 4:30 p.m.** **Summary of Recommendations and Future Planning**
- What can we do immediately?
 - What can we do in 3–5 years?
 - What are longer-term goals that require further discussion?
- 4:30 p.m.** **Adjournment**